## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01V1/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 GO1V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HIROKAZU MORIYA ET AL.: "Precise source location of AE doublets by spectral matrix analysis of triaxial hodogram" GEOPHYSICS,	1-4, 7-13, 15-19
	vol. 59, no. 1, January 1994 (1994-01), pages 36-45, XP002303290 cited in the application	
Υ	the whole document	1-24
Y	WO 97/39367 A (AMOCO CORP) 23 October 1997 (1997-10-23) page 4, lines 19-31 page 7, line 13 - page 9, line 5 figures 3,11	1-24
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filling date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means      P* document published prior to the international filling date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "8" document member of the same patent family
Date of the actual completion of the International search 29 October 2004	Date of mailing of the International search report  09/11/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016	Authorized officer  Modesto, C

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mational Application No T/GB2004/002614

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.	
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A	US 2001/047245 A1 (SCHWARTZBARD ALAN E ET AL) 29 November 2001 (2001-11-29) page 3, paragraph 24 - page 5, paragraph 45 figures 1-4	1-24	
A	US 6 018 498 A (GRISMORE JOHN RICHARD ET AL) 25 January 2000 (2000-01-25) column 4, line 55 - column 8, line 61 figures 1-10	1-24	

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